

UNITED STATES DEPARTMENT OF COMMERCE • Juanita M. Kreps, *Secretary*

NATIONAL BUREAU OF STANDARDS • Ernest Ambler, *Director*

JOURNAL OF RESEARCH

of the

NATIONAL BUREAU OF STANDARDS

U.S.
DEPOSITORY



UICC LIBRARY

AUG 30 1979

DOCUMENTS

Volume 82—July to December 1977

Page	Column	Line	Now reads in part	Should read
12	2	2	64.299	62.499
12	2	32-35	Table title and column headings for table 2 are repeated	delete
77 . . . . .	. . . . .	23.	and (21) give $v_s +$	and (21) give $v_s \neq$
77 . . . . .	. . . . .	24.	$x^* = v_i$	$x^* \neq v_i$
129 . . . . .	. . . . .	15 of section 2	$v_i = Av_{i-1}^2 =$	$v_i = Av_{i-1} =$
134 . . . . .	. . . . .	11 from bottom	Let $A \notin M_n(V)$	Let $A \in M_n(C)$.
134 . . . . .	. . . . .	7 from bottom	$O \in S$	$O \notin S$
134 . . . . .	. . . . .	5 from bottom	$S C^*$ such that $AS \lambda S$	$S < C^*$ such that $AS \leq \lambda S$

CONTENTS OF VOLUME 82

Volume 82, No. 1, July-August 1977

	Page
Photodecomposition of chloromethanes adsorbed on silica surfaces. P. Ausloos, R. E. Rebbert, and L. Glasgow	1
Heat capacity and thermodynamic properties of poly(vinyl chloride). Shu-Sing Chang	9
Enthalpy of solution of sodium nitrite. Jaime C. Cases, Vivian B. Parker, and Marthada V. Kilday	19
Establishing a scale of directional-hemispherical reflectance factor I: The Van den Akker method. William H. Venable, Jr., Jack J. Hsia, and Victor R. Weidner. . . .	29
Uniaxial extension and compression in stress-strain relations of rubber. Lawrence A. Wood.	57
Minimax location problems with nonlinear costs. P. M. Dearing	65
A note on a nonlinear minimax location problem in tree networks. Richard L. Francis	73
Publications of the National Bureau of Standards	81

Volume 82, No. 2, September-October 1977

Fundamentals of building heat transfer. Tamami Kusuda.	97
Static pressure measurements of enclosure fires. B. J. McCaffrey and J. A. Rockett . .	107
Melting point, normal spectral emittance (at the melting point), and electrical resistivity (above 1900 K) of titanium by a pulse heating method. A. Cezairliyan and A. P. Miiller	119
A method for the numerical evaluation of the second virial coefficient for polyatomic molecules. P. M. Holland, J. F. Ely, and H. J. M. Hanley	123
Minimum polynomials and control in linear systems. John Z. Hearon	129
Eigenset generalizations of the eigenvalue concept. Charles R. Johnson	133
Publications of the National Bureau of Standards	137

Volume 82, No. 3, November-December 1977

	Page
Phase equilibria and crystal chemistry of rubidium niobates and rubidium tantalates. D. B. Minor, R. S. Roth, H. S. Parker, and W. S. Brower	151
Investigation of calcium aluminate cement phases under high gaseous pressure. J. L. Waring, R. S. Roth, W. S. Brower, and C. A. Harding.	167

	Page
Stimulated multiphoton bremsstrahlung in electron-ion collisions. Sidney Geltman . .	173
Transport coefficients in the one-fluid approximation. H. J. M. Hanley	181
Mathematical models of the transient heat flow to fuel droplets. Herbert S. Bennett and Richard Kayser, Jr.	183
Enclaveless sets and MK-Systems. Peter J. Slater	197
Publications of the National Bureau of Standards	203
Index to Volume 82, July-December 1977	251